APRIL/MAY 2025

23UCA11 /23UDA11 — PYTHON PROGRAMMING

Time : Three hours Maximum : 75 marks

Shanmuga Industries Arts & Science College
T.V.Malai

SECTION A — (10 × 2 = 20 marks)

Answer ALL questions.

1. State the rules to use Identifiers in Python.
2. How do you add Comments in Python?
3. What is the use of Pass Statement in Python?
4. Differentiate between Counter-Controlled loops and Sentinel-Controlled loops.
5. What is meant by Variable-Length Arguments?
6. Write any two String Operations with examples.
7. Identify the use of Namespace.
8. Write the syntax to create Nested List.

9. How to open a File in Python?

10. Give the syntax for finding file positions.

SECTION B — (5 × 5 = 25 marks)

Answer ALL questions.

11. (a) Exemplify the built-in Data types available in Python.

Or

(b) Write a python program using Arrays.

12. (a) Illustrate the selection process of if...elif...else Statements.

Or

(b) Differentiate between Break and Continue Statements.

13. (a) Discuss on Scope and Lifetime of Variables.

Or

(b) Write a python program using Recursion Function.

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14. (a) Exemplify any five Dictionary Functions.

Or

(b) Write a python program to illustrate Nested Tuples.

15. (a) Describe the use of read( ) and readline( ) methods.

Or

(b) Write a program in python to Split Words in a File.

SECTION C — (3 × 10 = 30 marks)

Answer any THREE questions.

16. Exemplify different types of Operators available in Python.

17. Expound the Iterative Statements available in Python with examples.

18. Illustrate the syntx of Function Definition and Function Call.

19. Show how to Create, Access and Update values in Lists.

20. Describe the types of Files in Python.

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